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METEOROLOGICAL OFFICE
18 DEC 1964
MANCHESTER WEATHER CENTRE

HYDROLOGICAL MEMORANDA No.27

RAINFALL OVER THE AREAS OF KINTYRE AND SW ISLANDS, ADD, AWE, ETIVE LOCHY AND LINNHE 1916-1950

1. Rainfall Averages for the standard 35 year-period, 1916-1950

The determination of 35-year averages, for the months and for the year, was carried out in three stages.

a. Sound, homogeneous records complete for the 35 years, 1916-50, were selected to provide arithmetical averages of monthly and annual rainfall. The averages for stations in this group are given in Table I together with the percentage ratio of each monthly average to the relevant annual average.

The percentage ratios, plotted on a series of 12 maps - one for each calendar month - enabled isopercental lines to be drawn for the whole of Scotland. Small scale copies of the maps for the areas of this Memorandum are shown in Figure 1.

b. Annual averages for the period 1916-1950 were estimated for short-period stations using the methods described in Hydrological Memorandum No.5. The annual averages so found were then apportioned over the 12 calendar months using the isopercental maps referred to in a. above. Table II contains the resulting averages for those stations whose records were acceptable when subjected to the statistical tests mentioned in Hydrological Memorandum No. 5.

c. All available annual averages were plotted, and isohyets drawn on large scale maps. The isohyets, on a reduced scale, are reproduced as Figure 2.

2. Daily Rainfall, 1916-50

A number of stations with regular daily readings were chosen from Table I to provide, for each date of the year, a mean daily value based on the rainfall over the 35 years, 1916-50. The means are shown as accumulations in Table III, the entry under any particular date being the mean rainfall from January 1st to the date in question.

The mean rainfall for any particular period can be obtained by subtracting the accumulated total at the beginning of the period in question from the corresponding total at the end of the period.

3. Frequencies of Daily Rainfall, 1916-50

Stations selected from Table I were used to provide accumulated frequencies of daily rainfall amounts in intervals of mainly 0.10 inch. These are shown in Table IV. For example, the entry at 0.20 inch is the total number of days in the 35 years, 1916-50, with falls of 0.20 inch or more.

4. Extremes of Rainfall

For selected stations, maximum daily falls are set out in Table V, for periods between 1900 and 1963.

5. Further details about rainfall, for example maximum and minimum monthly and annual totals, can be obtained from the Meteorological Office, 26 Palmerston Place, Edinburgh, 12.

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Table I. MONTHLY AND ANNUAL AVERAGES OF RAINFALL (INCHES) 1916-1950
KINTYRE AND S.W. ISLANDS, ADD, AWE, ETIVE, LOCHY AND LINNHE AREAS.

Station	Alt. ft	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
Kintyre and S.W.Islands																
Dougarie Lodge	50	NR (16) 883372	5.15	3.61	2.97	2.78	3.10	2.81	3.50	3.86	4.39	5.67	5.25	5.28	48.37	Inch
			10.6	7.5	6.1	5.8	6.4	5.8	7.2	8.0	9.1	11.7	10.9	10.9	100.0	%
Eallabus	68	NR (16) 335634	5.78	3.81	3.10	3.07	3.02	3.00	3.88	4.25	4.97	6.42	5.80	5.95	53.05	Inch
			10.9	7.2	5.8	5.8	5.7	5.7	7.3	8.0	9.4	12.1	10.9	11.2	100.0	%
Add, Awe and Etive																
Oban	229	NM (17) 852294	6.20	4.30	3.18	3.31	3.20	3.54	4.26	4.65	5.28	6.71	5.97	5.99	56.59	Inch
			11.0	7.6	5.6	5.8	5.7	6.3	7.5	8.2	9.3	11.9	10.5	10.6	100.0	%
Kilmelfort, Arduaine	23	NM (17) 797105	6.89	5.06	3.77	3.69	3.61	3.93	4.87	5.50	5.71	7.67	6.71	6.93	64.34	Inch
			10.7	7.9	5.9	5.7	5.6	6.1	7.6	8.5	8.9	11.9	10.4	10.8	100.0	%
Mousedale	38	NM (17) 777353	4.98	3.56	2.57	2.67	2.67	2.95	3.16	4.10	3.92	5.36	4.52	4.64	45.10	Inch
			11.1	7.9	5.7	5.9	5.9	6.5	7.0	9.1	8.7	11.9	10.0	10.3	100.0	%
Lochy and Linnhe																
Kinlochleven	140	NN (27) 193617	11.90	8.11	6.27	5.91	4.85	5.26	6.02	6.74	8.10	10.75	9.33	10.87	94.11	Inch
			12.6	8.6	6.7	6.3	5.2	5.6	6.4	7.2	8.6	11.4	9.9	11.5	100.0	%
Fort William, Glasdrum	216	NN (27) 101735	9.84	7.09	5.00	4.75	3.94	4.45	5.27	5.95	6.95	9.13	7.74	8.57	78.68	Inch
			12.5	9.0	6.4	6.0	5.0	5.7	6.7	7.5	8.8	11.6	9.9	10.9	100.0	%
Achnacarry House	128	NN (27) 176880	11.00	7.61	5.62	5.02	4.04	4.53	5.02	5.73	6.93	9.35	8.50	8.90	82.25	Inch
			13.4	9.3	6.8	6.1	4.9	5.5	6.1	7.0	8.4	11.4	10.3	10.8	100.0	%
Ardverikie	838	NN (27) 508876	7.08	5.10	3.84	3.58	3.17	2.86	3.53	3.89	4.74	6.51	5.82	6.52	56.64	Inch
			12.5	9.0	6.8	6.3	5.6	5.0	6.2	6.9	8.4	11.5	10.3	11.5	100.0	%
Corran Lighthouse	13	NN (27) 016635	10.25	7.28	5.68	5.04	4.24	5.11	6.21	6.94	7.58	9.51	8.31	9.17	85.32	Inch
			12.0	8.5	6.7	5.9	5.0	6.0	7.3	8.1	8.9	11.2	9.7	10.7	100.0	%
Kingairloch House	40	NM (17) 836531	12.26	8.48	6.60	6.17	5.32	6.31	6.86	8.56	9.95	12.27	10.59	11.76	105.13	Inch
			11.7	8.1	6.3	5.8	5.0	6.0	6.5	8.1	9.5	11.7	10.1	11.2	100.0	%
Glenquoich	700	NH (28) 025032	13.17	8.92	7.07	6.85	5.11	6.53	7.51	8.59	9.46	12.30	11.09	12.18	108.78	Inch
			12.1	8.2	6.5	6.3	4.7	6.0	6.9	7.9	8.7	11.3	10.2	11.2	100.0	%
Ardgour House	60	NM (17) 994639	13.13	9.60	6.84	6.62	5.40	6.51	7.72	8.72	10.04	12.80	11.03	11.92	110.33	Inch
			11.9	8.70	6.2	6.0	4.9	5.9	7.0	7.9	9.1	11.6	10.0	10.8	100.0	%

TABLE II. Monthly and Annual Averages of Rainfall (inches) 1916-1950, Estimated for Short Term Stations Kintyre and S.W. Islands, Add, Awe, Etive, Lochy and Linnhe Areas.

Station	N.G.R.	Height (Feet)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year (Inches)
Kintyre and S.W.Islands															
Sanda Lighthouse	NR (16) 726037	134	3.96	2.77	2.35	2.07	2.42	2.42	3.19	3.35	3.58	4.27	4.04	4.04	38.46
Largie Castle	NR (16) 699461	80	5.39	3.75	2.95	2.85	3.05	2.85	3.84	3.89	4.64	5.90	5.24	5.59	49.94
Gigha	NR (16) 642479	65	4.46	3.09	2.38	2.35	2.52	2.35	3.18	3.22	3.84	4.91	4.33	4.62	41.25
McArthur's Head Lighthouse	NR (16) 463597	173	6.19	4.28	3.36	3.29	3.36	3.36	4.45	4.51	5.44	7.06	6.07	6.48	57.85
Lochindaul Lighthouse	NR (16) 257588	45	5.82	3.92	3.16	3.10	3.21	3.16	4.24	4.41	5.12	6.51	5.77	6.00	54.42
Ardlussa	NR (16) 651879	100	6.11	4.26	3.31	3.25	3.19	3.36	4.09	4.54	5.15	6.72	5.94	6.11	56.03
Tarbert	NR (16) 612823	30	6.35	4.43	3.44	3.38	3.32	3.44	4.25	4.72	5.42	6.99	6.18	6.35	58.27
Ardfin	NR (16) 488636	160	6.08	4.21	3.30	3.23	3.30	3.29	4.38	4.43	5.29	6.99	5.97	6.36	56.83
Colonsay	NR (16) 393966	87	5.79	3.98	3.13	3.03	2.98	3.30	3.88	4.36	4.99	6.32	5.68	5.68	53.12
Seil, An Cala	NM (17) 748173	30	7.14	4.87	3.90	3.77	3.51	4.09	4.80	5.45	5.97	7.72	6.75	6.95	64.92
Add, Awe and Etive															
Ormsary House	NR (16) 740718	50	6.23	4.40	3.43	3.31	3.31	3.31	4.11	4.46	5.26	7.04	5.94	6.34	57.14
Kilchoan	NM (17) 795134	30	7.01	4.95	3.80	3.73	3.54	3.99	4.70	5.47	5.86	7.66	6.63	7.01	64.35
Loch Avich	NM (17) 934163	945	10.23	7.12	5.57	5.30	5.01	5.48	6.58	7.49	8.13	10.96	9.31	10.14	91.32
Inverinan	NM (17) 998176	150	9.81	6.83	5.34	5.08	4.80	5.25	6.31	7.18	7.79	10.51	8.93	9.72	87.55
Airidh Castulaich	NN (27) 255342	365	12.37	8.76	6.34	6.24	5.44	5.44	6.44	7.45	8.46	11.68	10.47	11.57	100.66
Dalness	NN (27) 169512	240	14.80	10.31	7.64	7.40	6.31	7.04	8.13	9.34	10.43	14.07	12.13	13.71	121.31
Rhu Garbh	NM (17) 933407	20	7.68	5.30	4.03	3.90	3.37	4.10	4.77	5.43	5.96	7.81	6.69	7.15	66.19
Barcaldine	NM (17) 958415	50	8.02	5.60	4.22	4.01	3.58	4.22	4.98	5.67	6.22	8.16	6.91	7.54	69.13
Lochy and Linnhe															
Glenduror Forest	NN (27) 048544	970	13.69	9.66	7.25	6.79	5.87	7.01	8.28	9.31	10.12	13.34	11.15	12.53	115.00
Loch Chiaran	NN (27) 291634	1200	10.27	7.09	5.30	5.05	4.23	4.40	5.21	5.87	6.92	9.37	8.31	9.45	81.47

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TABLE II. Monthly and Annual Averages of Rainfall (inches) 1916-1950, Estimated for Short Term Stations Kintyre and S.W. Islands, Add, Awe, Etive, Lochy and Linnhe Areas (continued)

Station	N.G.R.	Height (Feet)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year (Inches)
Lochy and Linnhe (contd)															
Blackwater House	NN (27) 282600	1069	10.87	7.50	5.60	5.34	4.48	4.65	5.43	6.20	7.33	9.91	8.79	10.08	86.18
Blackwater Dam South	NN (27) 245601	1100	12.02	8.21	6.11	4.92	4.95	5.24	6.11	6.97	8.11	11.07	9.64	11.07	95.42
Loch Eilde Beg	NN (27) 249652	1125	12.57	8.70	6.33	6.13	5.04	5.34	6.43	7.22	8.51	11.38	9.99	11.28	98.92
Loch Eilde Moor	NN (27) 217633	1130	12.67	8.78	6.38	6.09	5.08	5.48	6.48	7.38	8.68	11.47	10.00	11.27	99.76
Onich	NN (27) 030635	48	9.77	6.92	5.45	4.80	4.07	4.88	5.94	6.59	7.24	9.12	7.89	8.71	81.38
Fort William, Teviot	NN (27) 093730	34	9.95	7.16	5.09	4.78	3.98	4.54	5.33	5.97	7.01	9.23	7.88	8.68	79.60
Gairlochy	NN (27) 176843	100	10.35	7.29	5.02	4.78	3.83	4.31	5.17	5.41	6.90	8.86	7.99	8.47	78.38
Loch Pattack	NN (27) 543798	1420	8.06	5.54	3.97	3.97	3.65	3.08	4.28	4.47	5.22	7.11	6.48	7.11	62.94
Craigbeg	NN (27) 406817	860	7.54	5.57	3.77	3.89	3.23	3.05	4.01	4.07	5.09	6.77	6.17	6.71	59.87
Fersit	NN (27) 351782	850	8.53	6.24	4.29	4.29	3.56	3.49	4.43	4.63	5.70	7.58	6.84	7.51	67.09
Allt Laire	NN (27) 328776	1050	9.91	7.26	5.00	5.00	4.14	4.06	5.15	5.39	6.64	8.82	7.96	8.74	78.07
Lairig Road	NN(27) 279753	1650	12.93	9.47	6.62	6.42	5.29	5.50	6.62	7.13	8.76	11.51	10.29	11.30	101.84
Allt Leachdach	NN (27) 256789	650	8.55	6.21	4.34	4.20	3.47	3.60	4.34	4.74	5.74	7.54	6.74	7.27	66.74
The Cour	NN (27) 222758	1050	13.01	9.35	6.60	6.40	5.28	5.69	6.70	7.11	8.74	11.48	10.16	11.07	101.59
Sgurr Finisgaig	NN (27) 190758	1850	12.52	8.79	6.12	5.83	4.87	5.35	6.21	6.79	8.31	10.80	9.56	10.42	95.57
Spean Bridge	NN (27) 221816	200	8.75	6.32	4.30	4.17	3.36	3.70	4.37	4.64	5.85	7.67	6.86	7.26	67.25
Allt a'Mhuilinn	NN (27) 149746	1000	12.03	8.64	6.01	5.73	4.70	5.35	6.20	6.95	8.17	10.61	9.21	10.33	93.93
Inversanda	NM (17) 940595	25	12.70	9.06	6.61	6.29	5.22	6.29	7.25	8.64	9.70	12.47	10.66	11.73	106.62

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Table III. Accumulated Mean Daily Rainfall in inches, 1916-1950

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Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	0.27	6.38	10.60	13.77	17.05	20.30	23.83	28.11	32.80	38.21	44.91	50.91
2	0.55	6.55	10.70	13.86	17.09	20.41	24.01	28.19	32.94	38.40	45.13	51.15
3	0.77	6.77	10.80	13.96	17.15	20.54	24.19	28.25	33.06	38.62	45.38	51.30
4	0.90	6.95	10.92	14.07	17.30	20.67	24.30	28.35	33.26	38.77	45.63	51.49
5	1.19	7.15	11.07	14.16	17.39	20.79	24.43	28.48	33.40	39.04	45.84	51.72
6	1.45	7.32	11.14	14.24	17.51	20.93	24.54	28.57	33.58	39.27	46.05	51.96
7	1.71	7.51	11.27	14.36	17.58	21.07	24.66	28.76	33.80	39.48	46.30	52.14
8	1.92	7.76	11.38	14.50	17.65	21.16	24.79	28.93	33.98	39.74	46.50	52.30
9	2.21	7.97	11.47	14.62	17.73	21.30	24.94	29.08	34.20	40.08	46.70	52.50
10	2.38	8.11	11.54	14.78	17.82	21.39	25.09	29.31	34.33	40.26	46.91	52.66
11	2.58	8.23	11.58	14.92	17.90	21.49	25.18	29.48	34.49	40.53	47.20	52.80
12	2.82	8.32	11.66	15.06	18.01	21.59	25.32	29.63	34.61	40.72	47.36	53.02
13	3.05	8.44	11.70	15.18	18.16	21.69	25.49	29.82	34.82	40.92	47.55	53.21
14	3.26	8.60	11.75	15.32	18.27	21.80	25.63	29.93	35.02	41.09	47.69	53.42
15	3.39	8.79	11.84	15.47	18.44	21.96	25.76	30.11	35.22	41.25	47.82	53.60
16	3.57	8.89	11.93	15.62	18.58	22.09	25.89	30.34	35.52	41.56	47.94	53.77
17	3.73	9.04	12.05	15.74	18.69	22.20	26.00	30.54	35.76	41.81	48.08	53.90
18	3.92	9.20	12.19	15.87	18.78	22.31	26.17	30.67	35.86	41.99	48.23	54.07
19	4.11	9.32	12.33	15.98	18.87	22.39	26.26	30.86	36.02	42.15	48.42	54.26
20	4.26	9.44	12.46	16.11	18.96	22.53	26.44	31.02	36.17	42.39	48.61	54.45
21	4.42	9.56	12.57	16.21	19.10	22.71	26.58	31.23	36.38	42.58	48.82	54.66
22	4.57	9.67	12.66	16.35	19.23	22.84	26.72	31.32	36.57	42.76	49.05	54.80
23	4.78	9.73	12.80	16.50	19.36	22.92	26.87	31.52	36.73	42.99	49.28	54.97
24	5.03	9.85	12.87	16.63	19.43	23.02	26.97	31.64	36.87	43.20	49.45	55.15
25	5.21	10.00	12.94	16.71	19.48	23.15	27.13	31.78	37.00	43.45	49.63	55.38
26	5.34	10.11	13.02	16.80	19.67	23.29	27.22	31.93	37.17	43.68	49.80	55.59
27	5.47	10.26	13.12	16.88	19.79	23.40	27.38	32.06	37.34	43.82	49.98	55.80
28	5.64	10.36	13.23	16.91	19.87	23.56	27.55	32.21	37.55	43.93	50.19	56.03
29	5.82	10.50	13.38	16.95	19.94	23.64	27.72	32.33	37.71	44.17	50.35	56.24
30	5.98		13.53	16.99	20.04	23.73	27.90	32.44	37.92	44.35	50.60	56.40
31	6.20		13.68		20.19		27.99	32.64		44.63		56.59

Table III. Accumulated Mean Daily Rainfall, in inches, 1916-1950

FORT WILLIAM, GLASDRUM

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	.39	10.20	17.08	22.11	26.80	30.80	35.20	40.51	46.46	53.59	62.68	70.45
2	.79	10.50	17.27	22.24	26.86	30.92	35.43	40.63	46.63	53.87	62.95	70.77
3	1.22	10.82	17.46	22.37	26.93	31.04	35.62	40.71	46.86	54.20	63.27	70.97
4	1.45	11.18	17.60	22.52	27.06	31.22	35.75	40.85	47.12	54.42	63.65	71.21
5	1.85	11.46	17.83	22.70	27.17	31.37	35.88	40.98	47.34	54.79	63.88	71.59
6	2.23	11.78	17.94	22.90	27.35	31.52	36.01	41.12	47.62	55.11	64.16	72.02
7	2.61	12.05	18.17	23.07	27.44	31.65	36.15	41.34	47.89	55.38	64.49	72.30
8	3.01	12.48	18.46	23.24	27.51	31.81	36.29	41.52	48.13	55.68	64.70	72.56
9	3.38	12.84	18.60	23.39	27.58	31.99	36.39	41.66	48.30	56.20	65.00	72.79
10	3.70	13.04	18.69	23.62	27.70	32.12	36.55	41.96	48.48	56.49	65.29	72.96
11	4.02	13.27	18.73	23.77	27.84	32.25	36.65	42.15	48.68	56.86	65.55	73.16
12	4.35	13.46	18.83	23.93	27.96	32.36	36.86	42.30	48.81	57.12	65.80	73.52
13	4.60	13.59	18.88	24.13	28.17	32.49	37.01	42.48	49.09	57.46	66.07	73.79
14	4.91	13.83	18.96	24.36	28.40	32.60	37.18	42.60	49.42	57.79	66.30	74.03
15	5.14	14.19	19.19	24.56	28.61	32.76	37.34	42.82	49.63	58.04	66.41	74.31
16	5.48	14.45	19.37	24.74	28.73	32.93	37.50	43.17	49.94	58.40	66.54	74.56
17	5.74	14.64	19.58	24.84	28.86	33.10	37.70	43.46	50.25	58.75	66.72	74.78
18	6.05	14.90	19.81	24.99	28.96	33.27	37.90	43.66	50.51	59.02	66.89	75.03
19	6.39	15.06	20.04	25.20	29.06	33.37	38.07	43.86	50.72	59.28	67.17	75.39
20	6.60	15.24	20.23	25.36	29.17	33.57	38.26	44.10	50.92	59.57	67.40	75.63
21	6.89	15.42	20.37	25.54	29.34	33.81	38.45	44.34	51.10	59.79	67.68	75.84
22	7.13	15.57	20.49	25.77	29.45	33.96	38.71	44.52	51.38	60.09	67.93	76.05
23	7.39	15.70	20.68	25.93	29.57	34.08	38.89	44.75	51.58	60.37	68.26	76.30
24	7.79	15.92	20.83	26.12	29.65	34.18	39.05	44.89	51.82	60.61	68.50	76.63
25	8.14	16.19	20.92	26.27	29.73	34.33	39.25	45.07	51.99	60.85	68.78	76.90
26	8.39	16.37	21.03	26.41	29.90	34.50	39.39	45.32	52.26	61.17	69.06	77.25
27	8.66	16.58	21.15	26.52	30.05	34.65	39.51	45.54	52.57	61.36	69.29	77.53
28	8.93	16.87	21.33	26.58	30.16	34.86	39.66	45.79	52.80	61.50	69.56	77.84
29	9.14	16.93	21.50	26.61	30.24	34.99	39.85	45.90	53.00	61.76	69.78	78.11
30	9.40		21.74	26.68	30.40	35.07	40.10	46.01	53.24	62.02	70.11	78.39
31	9.84		21.93		30.62		40.34	46.29		62.37		78.68

Table III. Accumulated Mean Daily Rainfall, in inches, 1916-1950

KINGAIRLOCH HOUSE

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	.47	12.63	21.00	27.56	33.65	39.05	45.39	52.22	60.84	71.02	83.23	93.96
2	1.01	12.95	21.21	27.78	33.72	39.19	45.69	52.38	61.11	71.39	83.64	94.37
3	1.51	13.42	21.44	27.93	33.86	39.38	46.00	52.52	61.37	71.86	84.12	94.63
4	1.77	13.84	21.65	28.15	34.05	39.68	46.14	52.76	61.75	72.20	84.74	95.02
5	2.33	14.16	21.90	28.37	34.19	39.90	46.30	52.98	61.98	72.66	85.03	95.50
6	2.74	14.52	22.03	28.59	34.35	40.13	46.45	53.19	62.41	73.08	85.38	95.99
7	3.20	14.87	22.33	28.89	34.49	40.42	46.61	53.56	62.85	73.49	85.75	96.44
8	3.68	15.33	22.64	29.13	34.60	40.62	46.82	53.81	63.11	73.91	86.10	96.79
9	4.30	15.73	22.80	29.37	34.73	40.85	47.07	54.10	63.45	74.51	86.59	97.17
10	4.72	15.96	22.92	29.65	34.89	41.03	47.32	54.44	63.73	74.86	86.97	97.46
11	5.11	16.23	22.99	29.88	35.04	41.20	47.43	54.74	64.00	75.35	87.29	97.73
12	5.51	16.44	23.13	30.06	35.22	41.33	47.68	54.99	64.22	75.68	87.60	98.18
13	5.81	16.69	23.22	30.28	35.51	41.46	47.91	55.25	64.57	76.13	87.90	98.57
14	6.25	17.05	23.33	30.61	35.77	41.63	48.17	55.42	64.92	76.57	88.25	98.91
15	6.54	17.40	23.61	30.83	36.05	41.94	48.39	55.76	65.25	76.93	88.42	99.25
16	6.94	17.63	23.86	31.04	36.18	42.24	48.59	56.20	65.65	77.39	88.65	99.56
17	7.25	17.89	24.13	31.25	36.35	42.45	48.74	56.53	66.10	77.87	88.90	99.88
18	7.59	18.21	24.44	31.44	36.48	42.66	49.02	56.79	66.40	78.13	89.13	100.25
19	7.97	18.46	24.72	31.61	36.66	42.84	49.16	57.09	66.71	78.42	89.43	100.71
20	8.32	18.70	24.95	31.89	36.81	43.03	49.48	57.45	66.94	78.90	89.70	101.07
21	8.66	18.98	25.14	32.10	37.01	43.32	49.68	57.82	67.22	79.14	90.00	101.37
22	8.98	19.19	25.28	32.33	37.22	43.58	49.93	58.02	67.64	79.48	90.31	101.64
23	9.38	19.34	25.54	32.57	37.38	43.74	50.13	58.40	67.93	79.86	90.80	101.95
24	9.85	19.60	25.75	32.84	37.58	43.91	50.36	58.62	68.26	80.20	91.14	102.34
25	10.19	19.92	25.90	33.03	37.71	44.07	50.62	58.89	68.59	80.55	91.50	102.73
26	10.54	20.13	26.07	33.21	38.02	44.29	50.79	59.15	68.99	80.96	92.00	103.22
27	10.88	20.36	26.25	33.34	38.21	44.52	50.96	59.50	69.45	81.29	92.36	103.55
28	11.21	20.60	26.48	33.41	38.31	44.79	51.20	59.78	69.82	81.54	92.67	103.91
29	11.47	20.74	26.77	33.44	38.41	45.00	51.44	59.95	70.15	82.03	92.95	104.34
30	11.81		27.08	33.51	38.55	45.14	51.79	60.12	70.51	82.46	93.37	104.67
31	12.26		27.34		38.83		52.00	60.56		82.78		105.13

G.20024/MAL/8/64/100

Table IV. Accumulated Frequencies of Daily Rainfall (in inches) 1916-1950

Eallabus

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
3.10									1				1
2.70									1		1		2
2.60									1		1		2
2.50									1		1		2
2.40									1		1		2
2.30									1		1		2
2.20		1							1		1		3
2.10	1	1							1		2		5
2.00	1	1							1		2		5
1.90	2	1					1		1	1	2		8
1.80	3	1					1		1	1	2		9
1.70	3	1					2		1	1	3		11
1.60	3	2					2		1	1	4	1	14
1.50	3	2					4	1	2	4	6	1	23
1.40	3	3					4	1	2	8	7	1	29
1.30	3	3					6	2	4	9	10	2	39
1.20	4	3	1				8	3	9	14	14	5	61
1.10	7	6	2		1	1	8	5	11	18	20	10	89
1.00	12	8	3		3	1	11	11	12	26	26	14	127
0.90	15	10	5	5	9	3	16	16	19	37	32	23	190
0.80	30	13	11	9	13	9	19	21	31	63	43	37	299
0.70	45	21	15	17	22	23	33	30	46	85	52	56	445
0.60	69	35	23	27	34	32	49	50	68	117	74	77	655
0.50	105	50	41	42	46	51	65	77	99	153	113	114	956
0.40	169	84	71	74	74	74	97	112	144	210	178	174	1461
0.30	255	156	116	124	122	113	153	179	208	281	261	280	2248
0.20	413	267	190	207	210	191	238	282	307	392	381	408	3486
0.10	602	436	368	354	342	329	380	446	483	574	539	598	5451
0.005	835	665	615	590	536	593	690	693	732	791	787	831	8358
<0.004 *	250	324	470	460	549	457	395	392	318	294	263	254	4426
Total No.of Days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days

Table IV. Accumulated Frequencies of Daily Rainfall (in inches), 1916-1950

Oban

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
2.30											1		1
2.20											1		1
2.10					1						1		2
2.00					1		1				1		3
1.90		1			1		1				1		4
1.80		1			1		1	1		1	2		7
1.70	1	1			1	2	1	2		2	2		12
1.60	1	1			2	2	1	2		2	2		13
1.50	2	1			2	2	2	2		6	3	1	21
1.40	6	2			2	2	4	2	2	7	6	1	34
1.30	6	2	1	2	4	4	5	4	3	8	9	3	51
1.20	8	2	2	2	5	4	6	7	7	13	11	5	72
1.10	13	5	3	4	6	6	9	9	13	18	17	9	112
1.00	19	10	4	7	7	9	10	11	20	30	25	18	170
0.90	25	18	6	8	9	10	15	14	29	45	32	30	241
0.80	46	32	6	14	13	17	28	23	46	61	44	44	374
0.70	63	39	12	23	22	22	36	44	60	91	70	58	540
0.60	91	57	24	38	30	36	54	68	85	124	112	80	799
0.50	138	81	42	52	47	66	74	99	122	169	150	121	1161
0.40	196	122	83	87	78	91	122	146	161	230	197	186	1699
0.30	270	177	141	131	122	138	172	200	226	292	265	273	2407
0.20	415	272	221	212	210	225	267	287	327	393	358	402	3589
0.10	552	421	352	341	332	360	403	425	459	537	486	548	5216
0.005	764	621	555	595	573	617	669	691	693	745	694	754	7971
≤0.004*	321	368	530	455	512	433	416	394	357	340	356	331	4813
Total No.of Days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* including rainless days

Table IV. Accumulated Frequencies of Daily Rainfall (in inches), 1916-1950

Fort William, Glasdrum

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
5.00												1	1
4.50										1		1	2
4.00										1	1	1	3
3.70	1									1	1	1	4
3.50	1	1								1	1	1	5
3.40	1	1								2	1	1	6
3.20	1	2								2	1	1	7
3.10	1	3								2	1	1	8
2.80	1	5								3	1	1	11
2.70	1	6								4	1	3	15
2.60	1	6			1				1	5	1	3	18
2.50	2	6		1	1				1	6	1	3	21
2.40	2	7		2	1			1	1	6	1	4	25
2.30	5	7	1	2	1		1	1	1	7	1	4	31
2.20	8	9	1	2	1		1	1	1	7	1	4	36
2.10	10	9	1	2	1		2	2	2	8	2	5	44
2.00	12	11	3	2	1		2	4	5	10	2	6	58
1.90	16	13	3	2	1		2	5	7	12	3	6	70
1.80	18	14	5	2	2		3	5	9	13	4	6	81
1.70	21	17	8	3	2	1	3	8	11	15	5	6	100
1.60	25	20	8	4	3	2	5	8	13	18	11	10	127
1.50	31	21	10	5	4	2	7	10	14	28	17	16	164
1.40	34	24	13	8	5	2	8	15	16	31	24	24	204
1.30	44	33	15	12	7	3	8	18	22	34	30	31	257
1.20	59	39	19	18	10	6	11	19	25	43	40	37	326
1.10	68	49	22	22	12	9	14	21	36	56	45	49	403
1.00	84	59	31	28	15	15	19	28	46	70	60	59	514
0.90	102	72	40	39	22	23	30	39	57	92	80	76	672
0.80	128	91	49	44	33	29	39	55	81	121	99	99	868
0.70	160	101	65	56	37	47	57	68	103	152	127	119	1092
0.60	215	132	82	67	53	68	81	91	125	192	164	166	1436
0.50	262	170	107	93	65	102	112	122	167	230	202	214	1846
0.40	309	215	155	133	100	137	160	174	225	288	255	289	2440
0.30	388	265	210	185	154	186	218	246	278	367	316	359	3172
0.20	487	342	270	266	227	273	315	353	369	456	398	457	4213
0.10	605	451	389	395	372	393	441	493	505	572	504	594	5714
0.005	822	644	599	650	634	632	734	740	738	789	750	803	8535
0.004*	263	345	486	400	451	418	351	345	312	296	300	282	4249
Total No.of Days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* including rainless days

Table IV. Accumulated Frequencies of Daily Rainfall (in inches), 1916-1950

Kingairloch House

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
4.90											1		1
4.70									1		1		2
4.30								1	1		1		3
3.70		1						1	1		1	1	5
3.60		1						1	1		1	1	5
3.50		1						1	1		2	1	6
3.40	1	1						1	1		2	1	7
3.30	1	1						1	1		3	1	8
3.20	1	1						2	1		3	3	11
3.10	1	1						2	1		3	3	11
3.00	1	1						2	1	1	4	3	13
2.90	1	2						2	3	1	5	3	17
2.80	1	2						2	3	2	6	3	19
2.70	3	2						3	4	3	6	3	24
2.60	3	4	1		1		1	3	4	3	10	3	33
2.50	6	5	1	1	3	1	2	4	6	4	13	5	51
2.40	6	5	1	1	3	2	3	5	8	7	13	6	60
2.30	10	5	2	1	4	2	4	6	9	9	14	7	73
2.20	11	6	2	1	4	3	4	6	14	14	16	12	93
2.10	12	7	2	2	5	4	4	8	16	17	18	18	113
2.00	13	7	4	4	6	5	5	10	16	23	18	21	132
1.90	16	10	6	7	6	5	6	13	17	28	20	23	157
1.80	17	12	8	9	7	8	9	14	22	29	25	29	189
1.70	27	15	10	14	9	12	15	19	28	36	30	34	249
1.60	37	20	13	15	9	15	17	22	35	47	35	41	306
1.50	48	28	16	16	12	17	21	28	40	51	42	49	368
1.40	61	35	21	20	15	22	23	32	52	64	46	61	452
1.30	83	42	25	25	17	22	29	39	59	81	60	68	550
1.20	99	56	31	34	22	30	34	48	71	102	73	73	673
1.10	117	69	36	47	24	39	40	59	83	117	85	85	801
1.00	143	81	48	56	32	51	45	81	104	139	106	98	984
0.90	165	100	67	63	36	62	60	90	123	163	127	124	1180
0.80	192	122	82	79	50	73	80	113	150	189	152	166	1448
0.70	236	150	106	92	72	102	100	146	181	234	184	216	1819
0.60	282	189	136	115	94	127	134	172	210	278	222	265	2224
0.50	330	227	166	142	118	156	164	216	256	330	275	315	2695
0.40	386	276	205	183	163	204	212	263	302	386	332	376	3288
0.30	453	329	272	233	223	252	271	329	364	451	405	468	4050
0.20	538	388	339	316	303	324	353	422	447	529	481	545	4985
0.10	654	490	438	429	396	420	481	525	540	625	565	637	6200
0.005	772	612	595	598	559	591	686	702	686	750	700	760	8011
<0.004*	313	377	490	452	526	459	399	383	364	335	350	325	4773
Total No.of Days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days

Table V. Maximum Daily Rainfall in Inches

	Period	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Eallabus	1900-1963*	1903 2.20	1942 2.20	1951 1.29	1901 1.27	1922 1.18	1942 1.14	1950 1.92	1905 2.19	1939 3.17	1960 2.10	1926 2.74	1948 1.65
Oban	1910-1962**	1951 1.89	1955 2.13	1961 1.51	1956 1.33	1922 2.12	1957 2.41	1939 2.08	1930 1.80	1953 2.04	1954 1.88	1947 2.35	1912 1.64
Fort William, Glasdrum	1900-1963***	1920 3.71	1950 3.50	1906 2.91	1919 2.57	1922 2.63	1913 1.82	1906 3.29	1935 2.45	1953 3.51	1916 4.50	1947 4.05	1936 5.01
Kingairloch House	1904-1963****	1947 3.40	1955 4.04	1908 3.20	1910 2.64	1922 2.61	1927 2.54	1959 3.56	1933 4.38	1948 4.72	1940 3.01	1941 4.92	1909 4.55

* 1902 missing
** Terminated August 1962
*** October, November and December 1904 missing

Fig 1. Average Monthly Rainfall as percentage of Average Annual Rainfall, 1916-1950. January to December

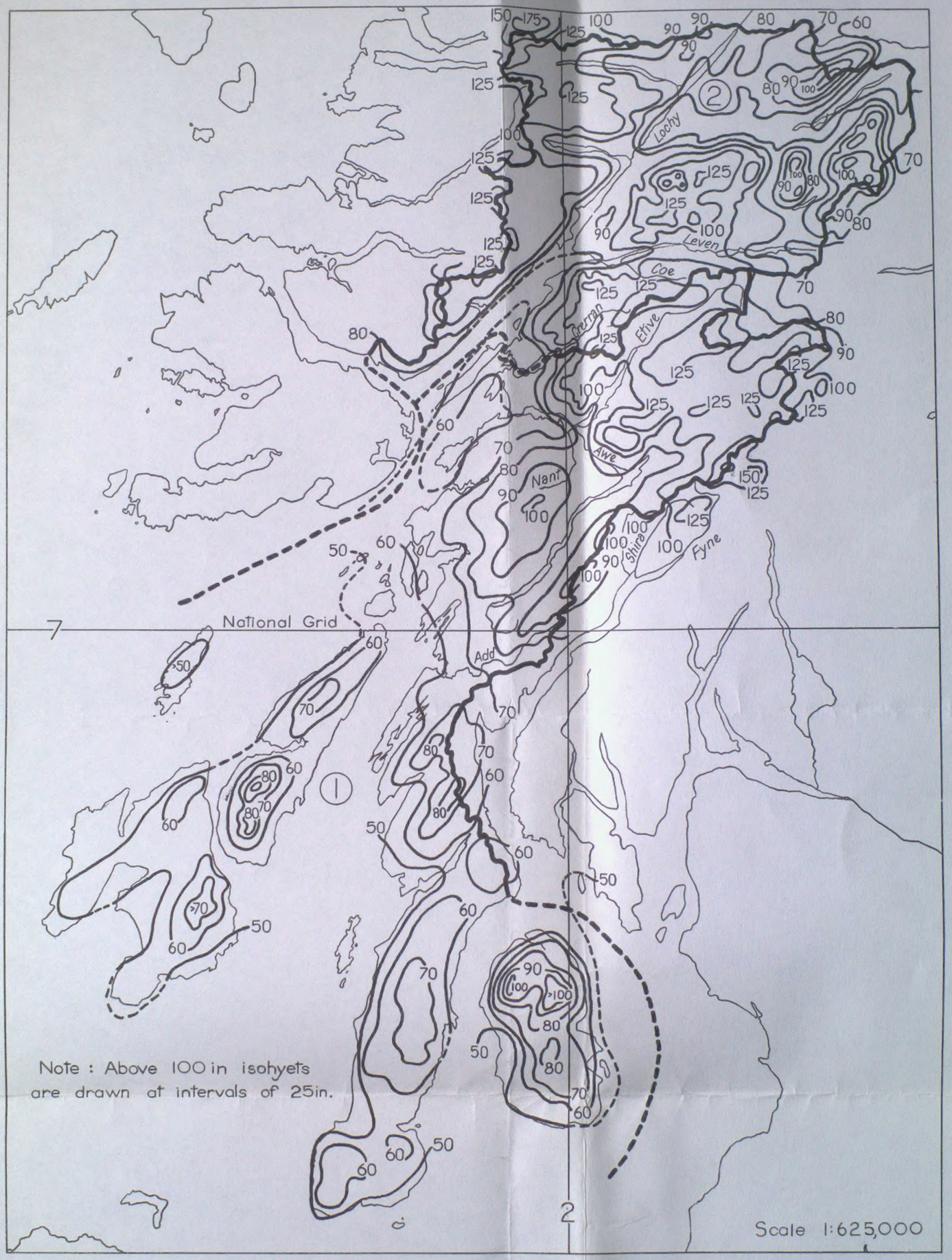

Fig 2. AVERAGE ANNUAL RAINFALL, 1916-1950, (in inches) over the hydrometric areas of:

①		②	
88	Add Group	90	Loch Linnhe Group
89	Awe and Etive	91	Lochy (Inverness shire)
104	Kintyre Group		